U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI

TITLE: MANIPULATOR

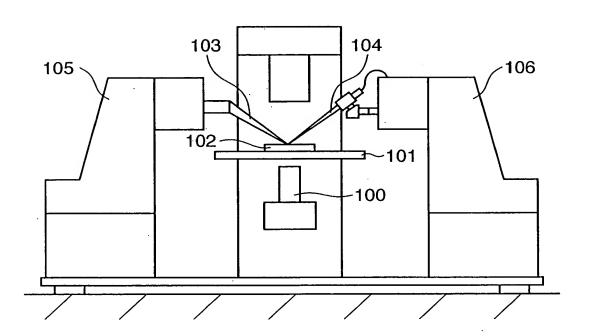
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FIG. 16 (PRIOR ART)



REPLACEMENT SHEET

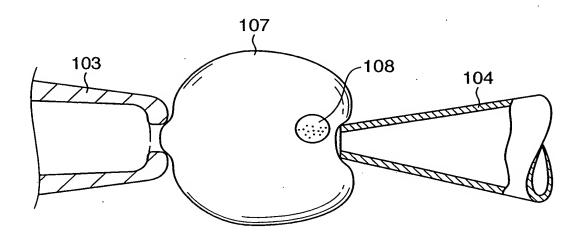
U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI TITLE: MANIPULATOR

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FIG. 17 (PRIOR ART)



REPLACEMENT SHEET

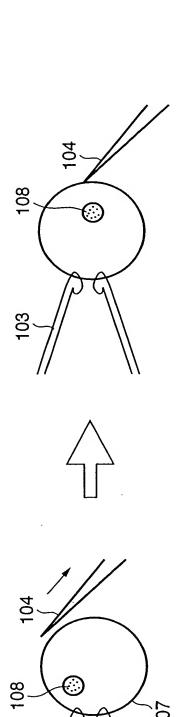
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18B (PRIOR ART)

18A (PRIOR ART)



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U.S. PATENT APPLICATION INVENTOR: TADASHI HAYASHI TITLE: MANIPULATOR

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FIG. 19 (PRIOR ART)

